Northwest Territories Government Services

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TO: NOGAP STEERING COMMITTEE MEMBERS

FROM: PENNY JOHNSON, A/PROJECT MANAGER

SUBJECT: NOGAP DATABASE SYSTEM
SYSTEM STUDY AND EVALUATION
PHASE 1

Enclosed is a copy of the report on Phase 1 of the Northern Oil and Gas Action Program (NOGAP) database study. The report includes a detailed description of the preliminary scope, the current system, the information requirements, the system approach and feasibility, a system evaluation and finally an executive summary.

This document will be reviewed and approved at the NOGAP Steering Committee meeting on February 11 & 12, 1986 in Inuvik. If you have any concerns, please call Claude Charlebois at 873-7225.

Your assistance in reviewing this document is appreciated.

Sincerely,

Penny Johnson

Penny Johnson

NOGAP DATABASE SYSTEM

SYSTEM STUDY AND EVALUATION

PHASE 1

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A. PRELIMINARY SCOPE

BACKGROUND

The Northern Oil and Gas Action Program (NOGAP) is a federally funded research and planning project that was initiated to assist the Government of the Northwest Territories and Federal Departments in planning for oil and gas development in the Beaufort/Delta area. Planning was to focus on the years 1984-85 to 1990-91.

The Department of Social Services proposed a project to i)assess the department's and communities ability to handle the effects of hydrocarbon development ii) to develop on-going indices and a database to monitor the effects of development and iii) to address and identify additional research and program planning requirements.

In the first year of funding, 84/85, the Department of Social Services completed a Day Care Study and Phase 1 of a two Phase Training Study. Current initiatives include a Rotation Study and the Database Study.

The Database System Study began in 1984-85. The program was structured and through community consultation a preliminary report was produced that defined some of the communities information requirements and assessed the information currently available. This Database System Study provides the focus for a number of other sub-projects in providing pertinent data to determine the social impact of increased development. An important component of the database system will be the incorporation of both statistical quantitative and qualitative data.

This project will be designed to determine the changing needs for the delivery of social services in each community in the Beaufort/Delta Area. It will also help to determine the most effective method of delivering statutory and preventive services to each community and develop a master plan for meeting those needs. Further, it will be designed to build on, and strengthen community resources for identifying and dealing with issues affecting the communities. It is anticipated that as the work proceeds, further research and planning requirements will become evident. As resource development proceeds through its various stages, needs will change in communities as they undergo development. It is therefore essential to develop a strong base immediately and to develop methods of assessing, reacting and anticipating changes.

There are a number of limitations that are common with many of the indicators and issues that must be considered in their application. They are specific limitations described under each indicator; however these general problems should be kept in mind.

* incomparable data - since most data is collected for management and administrative functions, similar data may be in fact "apples" and "oranges". For example, statistics collected on "unemployment" by the Unemployment Insurance Commission would have a very different meaning to the Department of Social Services. Data collected on a regional basis may not be comparable as well; therefore data should be aggregated at the community level.

Secondly, some data has been collected by fiscal year, fur year and calendar year. Education data is collected on a school year. The type of year should be noted and if the data is available on a monthly basis, then the calendar year should be calculated. All data should be changed to a comparable base. Two reports could be prepared in case the "actual" is required.

Sometimes the definition of data changes over time. For example, the social services assistance program introduced a new administrative form in 1981 that changed certain types of data regarding social assistance clients. Also, new rates of social assistance were implemented over the years that further changed the meaning of the data. These changes need to be recognized and where adjustments can be made they must be incorporated.

* intervening data - there has been an attempt to use the so-called "hard" and "objective" quantative indicators because of their "factual" nature. But even these "facts" have built in assumptions that bias our interpretation of the results. For example, it would be reasonable to assume that the number of visits to the nursing station is an appropriate indicator of the community's health. The higher the frequency of the visits simply means the lower the level of health. The raw indicator does not address numerous intervening variables such as the location of the nursing station, personality of the nurse and the resourcefulness and health awareness of the residents. As one can see, even clear concise indicators are mixed with assumptions and influencing factors.

* cultural and personal bias - the so-called "objective" indicator has the continual problem of its definition being rooted in cultural and personal bias. A simple statistic such as the number of children in day care programs can have both personal and cultural biases. For some it demonstrates the level of service provided to enable women to participate in the wage economy. For others it demonstrates the deteriorating role of the family in sharing cultural values and raising children. Therefore, this project will not attempt to interpret data for users but it will provide data with as much additional narrative as possible.

* community perspective - many of the communities in the Beaufort/Delta area are similar in population, ethnicity composition and cultural heritage. This would lead one to believe that the people have common beliefs, values and attitudes. However, this is not necessarily the case and assumptions of this nature can be misleading. For example, Sachs Harbour and Paulatuk are two communities that have very common elements. (ie. population and ethnicity composition). However, their perspective based on community values and attitudes are quite different regarding social assistance. In Paulatuk, the residents generally view welfare with little or no stigma as it provides important financial support and supplements erratic wage employment and modest fur income. After all, there are few income producing opportunities available. In Sachs Harbour, the residents generally view welfare with a negative stigma. They pride themselves in self-sufficiency and would rather maintain their own economic independance.

* small sample size - also identified are the very serious limitations due to the small sample size. The entire Beaufort/Delta area has a total population of approximately 8,000 and there are several communities with less then 500. These numbers are very sensitive to minor fluctuations and errors in measurement or collection. There is another kind of sensitivity that must be appreciated in using data with small numbers. Some topics are sensitive on a personal level. A statistic such as sexual assault will be reported in small numbers and if reported by community it may bring unnecessary embarrassment to the victim.

OBJECTIVES

1) to identify social indicators required for data capture.

2) to identify data elements that can be captured with available resources.

3) to provide a cost benefit analysis of capturing additional data elements not currently available.

4) to develop a collection methodology to obtain the necessary data.

5) to develop a system that will compile collected data and link to existing databases where applicable.

6) to develop both online and batch inquiry and reports to meet the requirements of the identified users.

7) to provide online access to non-government users.

B. CURRENT SYSTEM

The basis of the current system and information needs survey was a report prepared by Doug Durst titled "A Critique of Social Indicators and Issues in the Beaufort/Delta area". This report was built on a collective effort of many people. The Steering Committee Members were particularly helpful in identifying key community issues and resource people. Social Researchers diligently collected samples, of each of the indicators from the endless sources of data. They also traveled extensively to each of the communities in the Beaufort/Delta area, in order to collect critical information from the communities perspective. This report was the starting point for the identified information needs.

In order to develop a NOGAP DATABASE, it was first necessary to find out what the user requirement were. Once these were identified, the next step was to conduct interviews with the sources of data to find out how, when and where the data was collected and to ask the user if any indicators were overlooked.

Following is a list of individuals that interviews were conducted with;

Jim Ackin - Manager, Capital Planning
Louisa Andre - Settlement Secretary - Arctic Red River
Mary Beauchamp - Program Officer - Child Welfare
Margaret Belanger - Hamlet Secretary, Tuktoyaktuk
Darrell Bower - Chief, Health Insurance Administration
John Campbell - Program Specialist
Dinah Carnogurski - Steering Committee Member
Diane Cheyney - Inuvik Education Society
Al Colinson - Worker's Compensation Board
Harold Cook - Metis Band Association
Donna Crouch - Manager, Information System, Department of Education
Dan Daniels - Student Counsellor, Department of Education
Norma Dean - Unemployment Insurance Commission
Bob Desautels - Recreation Officer, Local Government, Inuvik
Paul Donnely - Supt. Inuvik, Department of Social Services
Diane Doyle - Director of Young Offenders/Supt. of Child Welfare
Blair Dunbar - Assistant Deputy Minister
Fred Elias - Hamlet Secretary, Coppermine
Pat Felhaver - Co-Ordinator, Aged & Handicapped Services
David Fischer - Local Government, Inuvik
Tony Gray - Program Evaluation Officer
Penny Johnson - Acting NOGAP Project Manager
Gay Kennedy - Project Assessment Co-ordinator, E.M. & R.
Kathy Kowerchuk - Health and Welfare Canada
Don Maeers - Co-Ordinator, Comm7unity Corrections
Margaret McGee - NOGAP Co-ordinator
Paul Moody - Deputy Minister
Sheldon Nider - Planner, Information Systems
Ed Pegh - N.W.T. Liquor Commission
Nunda Rao - Bureau of Statistics
Barbara Round - Co-Ordinator, Family Life Education
Brownwyn Watters - Chief, Social Services Programs

Through these interviews, many individuals commented on the helpfulness this type of database would be, not only for the Beaufort/Delta area, but for the whole of the Northwest Territories but at this time, this option will not be discussed.

A Steering Committee Meeting was held in Inuvik on December 10/11 to finalize and approve the list of indicators to be captured by the NOGAP Database. They are broken down in ten major issues. They are as follows;

1- Income Support Programs
2- Family Life
3- Education
4- Health
5- Mental Health
6- Crime & Public Justice
7- Young Offenders
8- Housing
9- Alcohol & Drugs
10- Community Participation and Leisure Activities

Within each issue, numerous indicators are to be collected . A complete list of the above will be described in the SYSTEM APPROACH section of this report.

Following is EXHIBIT A which illustrates all the sources that supply data to the NOGAP database system. Included is a detail explanation of the issues, of what data element (indicator) will be captured, the size of the elements to be captured, the frequency the elements are available, the format in which one can receive the elements, the supplying source of the elements, the possible values of those elements and any special notes if required.

Northwest Territories

FLOWCHARTING FORM

SYS	SS	PC	PG

DATE / /

PAGE ___ OF ___

NAME: DATA SOURCES

PREPARED BY	CHECKED BY

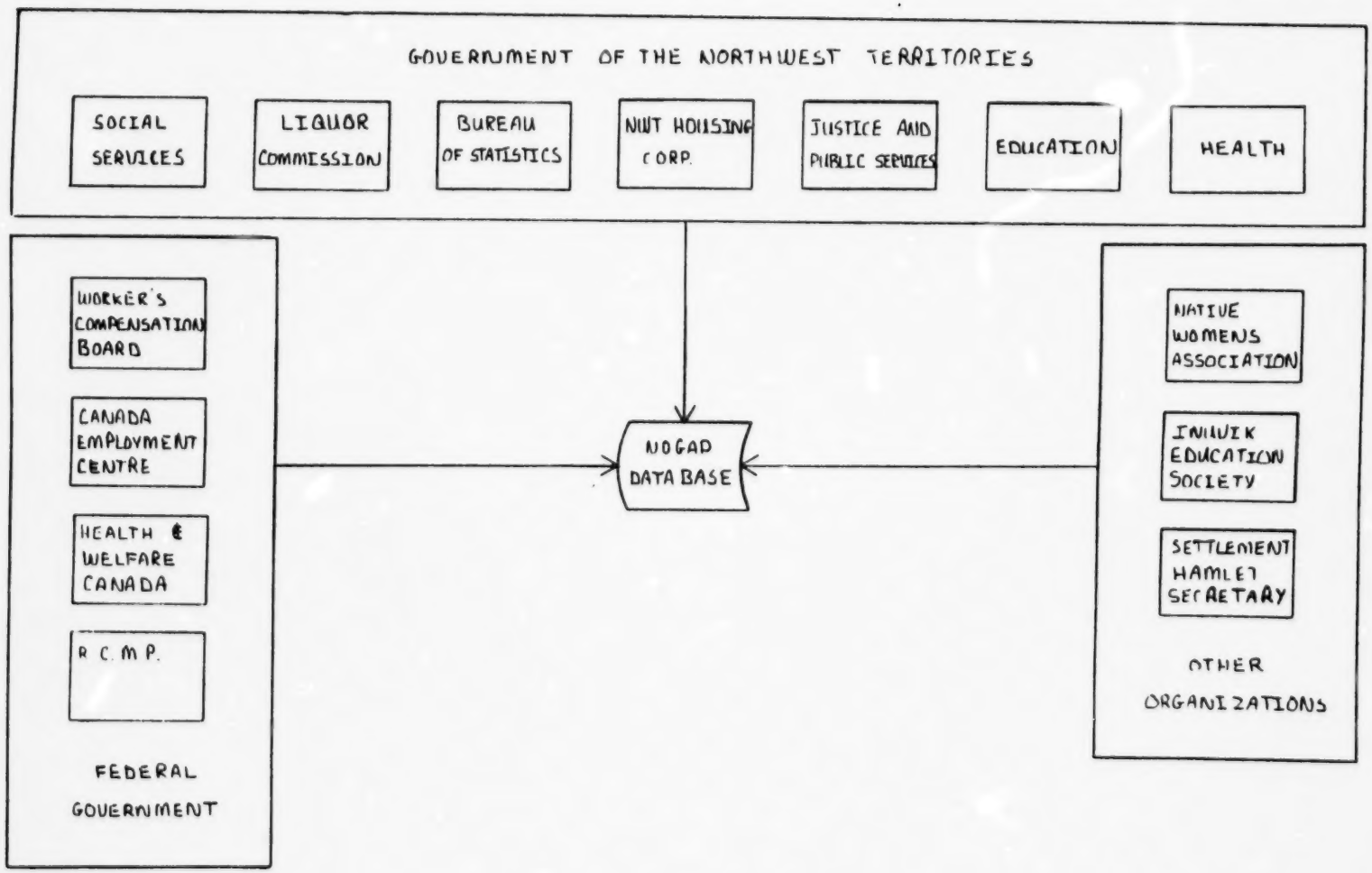


EXHIBIT A

ISSUE - Income Support Programs

This issue examines a series of federal and territorial income support programs. Some of them are based on individual needs such as the social assistance or "welfare" program and others are universal programs such as the family allowance and N.W.T. Supplement to Seniors. The Unemployment Insurance program is based upon a qualifying requirement. These programs provide the individuals with a substantial amount of cash that is circulated throughout the community.

INDICATORS

The indicators for social assistance programs are quite accessible. In 1980. the Department of Social Services set up a management information system that incorporated a new Social Assistance form that identified the information in a code suitable for computer application. Information has been loaded into the computer since 1980 and a reliable five year database has been established. Previous statistics used a different format and with some manipulation, comparable data can be extracted; however, there appears to be little need to go beyond 1980 for the purpose of this project.

1-DOLLARS PAID BY REASON

Definition	- for Welfare-Social Assistance only, the actual dollars paid broken down by reason.	
Supplier	- Department of Social Services	
Format	- interface with the Financial Assistance System	
Size	- dollars paid	9(6)
	- reason	9(1)
Values	- dollars paid	> 0 < 10,000.00
	- reason	1 = ill health/disable
		2 = dependent children
		3 = unemployed but able
		4 = not enough income
		5 = other
Frequency	- upon request	

2-NUMBER OF APPLICANTS AND DEPENDENTS ACCEPTED BY REASON

Definition	- for Welfare-Social Assistance only, the total number of successful applications and the total number of dependents by reason.	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- number of applicants	9(4)
	- number of dependents	9(4)
Values	- number of applicants	>0 < 10,000
	- number of dependents	>0 < 10,000
Frequency	- upon request	

3-NUMBER OF APPLICANTS REJECTED

Definition	- for Welfare-Social Assistance only, the total number of application rejected	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- number of rejections	9(4)
Values	- number of rejections	> 0 < 10,000
Frequency	- upon request	
Note	- forms that are rejected are not currently entered into the Financial Assistance System	

4-AGE AND SEX OF APPLICANT AND SPOUSE

Definition	- for Welfare-Social Assistance only, the age range and sex of the applicant and spouse	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- applicants age	9(3)
	- applicants sex	9(1)
	- spousal age	9(3)
	- spousal sex	9(1)
Values	- applicants age	> 18 < 999
	- applicants sex	1 = male 2 = female
Frequency	- upon request	

5-MARITAL STATUS OF APPLICANT

Definition	- for Welfare-Social Assistance only, the marital status of the applicant	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- marital status	9(1)
Values	- marital status	1 = single
		2 = married or common law
		3 = divorced
		4 = seperated
		5 = widowed
Frequency	- upon request	

6-HOUSING OF APPLICANT

Definition	- for Welfare-Social Assistance only, the housing situation of the applicant	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- applicants housing	9(1)
Values	- applicants housing	1 = own home
		2 = rent from housing corp
		3 = rent from other
		4 = room and board
		5 = institution
		6 = other
		7 = shared housing
Frequency	- upon request	

7-EDUCATION AND TRAINING OF APPLICANT AND SPOUSE

Definition	- for Welfare-Social Assistance only, the education years and training of the applicant and spouse	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- applicant education years	9(2)
	- applicant training	9(1)
	- spouse education years	9(2)
	- spouse training	9(1)
Values	- apllicant education years	> 0 < 99
	- apllicant training	1 = vocational
		2 = apprentice
		3 = adult education
		4 = other
	- spouse education years	(same as applicants)
	- spouse training	(same as applicants)
Frequency	- upon request	

8-EMPLOYMENT PATTERN AND USUAL OCCUPATION OF APPLICANT AND SPOUSE

Definition	- for Welfare-Social Assistance only, the employment pattern and usual occupation of applicant and spouse	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- applicant employment pattern	9(1)
	- applicant usual occupation	9(1)
	- spouse employment pattern	9(1)
	- spouse usual occupation	9(1)
Values	- applicant employment pattern	1 = full time
		2 = part time
		3 = seasonal
		4 = periodic
		5 = other
	- applicant usual occupation	1 = trapper/hunter/fisherman
		2 = handicrafts
		3 = service
		4 = general labour
		5 = trade/technical
		6 = clerical/professional
		7 = homemaker
		8 = no work history
		9 = other
	- spouse employment pattern	(same as applicants)
	- spouse usual occupation	(same as applicants)
Frequency	- upon request	

9-MONTHLY INCOME OF RECIPIENT

Definition	- for Welfare-Social Assistance only, the monthly earned and unearned income of the applicant	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- earned wages	9(7)
	- earned handicrafts	9(7)
	- earned fur/fish	9(7)
	- earned other	9(7)
	- unearned old age benefits	9(7)
	- unearned unemployment insurance	9(7)
	- unearned rent/board income	9(7)
	- unearned assets	9(7)
	- unearned other	9(7)
Values	- for all of the above	= 0 < 99,999.99
Frequency	- upon request	

10-TYPE OF ASSISTANCE

Definition	- for Welfare-Social Assistance only, the type of assistance indicated for the applicant	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- type of assistance	9(1)
Values	- type of assistance	1 = transient 2 = first time 3 = periodic 4 = regular 5 = payroll
Frequency	- upon request	

11-MONTHLY NEEDS OF RECIPIENTS

Definition	- for Welfare-Social Assistance only, the monthly dollar needs of the applicant	
Supplier	- Department of Social Services	
Format	- interface to Financial Assistance System	
Size	- food monthly needs	9(7)
	- clothing monthly needs	9(7)
	- rent monthly needs	9(7)
	- fuel/utilities monthly needs	9(7)
	- household monthly needs	9(7)
	- personal monthly needs	9(7)
	- age/disabled monthly needs	9(7)
	- other monthly needs	9(7)
Values	- for all of the above	= 0 or < 99,999.99
Frequency	- upon request	

12-UNEMPLOYMENT INSURANCE DOLLARS PAID BY REASON

Definition	- the amount of UIC dollars received on a weekly basis before deductions	
Supplier	- Canada Employment Centre	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- UIC dollars paid	9(7)
Values	- UIC dollars paid	> 0 < 100,000.00
Frequency	- available yearly	
Note	- all data received from the Canada Employment Centre is averaged and in this case, no reasons are available	

13-NUMBER OF WEEKS PAID BY REASON

Definition	- the number of weeks a recipient has been receiving UIC	
Supplier	- Canada Employment Centre	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- number of weeks paid	9(3)
Values	- number of weeks paid	> 0 < 999
Frequency	- available yearly	
Note	- all data received from Canada Employment Centre is averaged and in this case, no reasons are available	

14-INSURED WEEKS AND WEEKS ON CLAIM

Definition	- number of weeks a recipient has worked in order to claim UIC plus the number of weeks he/she has been claiming	
Supplier	- Canada Employment Centre	
Format	- will receive in report format and data entry to NOGAP database will be performed	
Size	- insured weeks	9(3)
	- weeks on claim	9(3)
Values	- insured weeks	< 0 > 999
	- weeks on claim	< 0 > 999
Frequency	- available yearly	
Note	- all data received by the Canada Employment Centre is averaged	

15-SEX AND AGE OF RECEPIENTS

Definition	- the age and sex of all recipients	
Supplier	- Canada Employment Centre	
Format	- will receive in report format and data entry to the NOGPAP database will be performed	
Size	- UIC recipients age	9(3)
	- UIC recipients sex	x(1)
Values	- UIC recipients age	> 0 < 999
	- UIC recipients sex	1 = male 2 = female
Frequency	- available yearly	
Note	- the Canada Employment Centre averages the age when there is more than one case or gives the minimum and maximum	

16-PAYMENTS IN DOLLARS - FAMILY ALLOWANCE BENEFITS

Definition	- the total dollars paid thru family allowance benefits	
Supplier	- Bureau of Statistics GNWT	
Format	- will receive in a report format and data entry to the NOGAP database will be performed	
Size	- FAB payments	9(7)
Values	- FAB payments	> 0 < 99,999.99
Frequency	- available yearly	
Note	- at this time, it is not 100% sure if the supplier can supply this data	

17-NUMBER OF ACCOUNTS - FAMILY ALLOWANCE BENEFITS

Definition	- the total number of accounts by community	
Supplier	- Bureau of Statistics GNWT	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- FAB account	9(3)
Values	- FAB account	> 0 < 999
Frequency	- available yearly	
Note	- at this time, it is not 100% sure if the supplier can supply this data	

18-NUMBER OF CHILDREN - FAMILY ALLOWANCE BENEFITS
Definition - the total number of children under the FAB
Supplier - Bureau of Statistics GNWT
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - FAB number of children 9(4)
Values - FAB number of children > 0 < 999
Frequency - available yearly
Notes - at this time, it is not 100% sure if the supplier can supply this data

19-PAYMENTS - CANADA PENSION PLAN
Definition - total dollars paid under Canada Pension Plan by community
Supplier - Bureau of Statistics GNWT
Format - will receive in report format and data entry to the NOGAP database will ba performed
Size - CPP payments 9(7)
Values - CPP payments > 0 < 99,999.99
Frequency - available yearly
Notes - at this time, it is not 100% sure if the supplier can supply this data

20-NUMBER OF BENEFICIARIES - CANADA PENSION PLAN
Definition - total number of beneficiaries under CPP by community
Supplier - Bureau of Statistics GNWT
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - CPP number of beneficiaries 9(4)
Value - CPP number of beneficiaries > 0 < 9,999
Frequency - available yearly
Notes - at this time, it is not 100% sure if the supplier can supply this data

21-PAYMENTS - OLD AGE SECURITY
Definition - the total dollars paid under the Old Age Security program
Supplier - Bureau of Statistics
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - OAS payments 9(7)
Value - OAS payments > 0 < 99,999.99
Frequency - available yearly
Notes - at this time, it is not 100% sure if the supplier can supply this data

22-NUMBER OF BENEFICIARIES - OLD AGE SECURITY
Definition - the total number of beneficiaries by community under the Old Age Security program
Supplier - Bureau of Statistics GNWT
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - OAS number of beneficiaries 9(4)
Values - OAS number of beneficiaries > 0 < 9,999
Frequency - available yearly
Notes - at this time, it is not 100% sure if the supplier can supply this data

23-NUMBER OF RECIPIENTS - NWT SUPPLEMENT TO SENIOR CITIZENS
Definition - total number of recipients of NWT supplement to senior citizens
Supplier - Bureau of Statistics GNWT
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - NWT supplement 9(4)
Values - NWT supplement > 0 < 9999
Frequency - available yearly
Notes - at this time, it is not 100% sure that the supplier can supply this information

ISSUE - FAMILY LIFE

The people in the Beaufort/Delta area have identified a general erosion of traditional values toward the extended family over the past two decades. The increase in child welfare problems, child neglect and family break down have been cited as common occurences that were once rare. Child-rearing practices and the care of elderly have changed. Children are frequently left unsupervised and the elderly are ignored. People have strong feelings about the topic of family life and are willing to share their opinions. Unfortunately, having an opinion and implementing a solution are two very different things.

INDICATORS

Collecting objective indicators of "family life" is an extremely difficult task. Some indicators are available; however their interpretation is subject to a variety of conflicting analysis. For example a rise in the number of children brought into the departments care may result in one or combination of the following variables:

1. a zealous and enthusiastic social worker
2. a change in department policy or supervision
3. increased awareness and identification by referring agencies and/or
4. a decrease in preventive programs such as recreation, counselling.

Generally, the department focuses its energies on keeping the family unit together and it is only in extreme circumstances that the staff will resort to interventions that seperate family members.

1-NUMBER OF INVESTIGATIONS OF CHILD ABUSE AND NEGLECT

Definition - this will be the number of investigations performed by the Department of Social Services only
Supllier - Departent of Social Services
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of investigation 9(4)
Values - number of investigation > 0 < 9,999
Frequency - to be determined by D.S.S.
Notes - this information has never been automated and will have to be collected as of this year

2-CHILDREN ENTERING CHILD WELFARE SYSTEM

Definition - total number of children serviced by the Department of Social Services
Supplier - Department of Social Services
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - no. of child entering CWS 9(4)
Values - no. of child entering CWS > 0 < 9,999
Frequency - available yearly
Notes - currently, there is an automated "child welfare system" but the accuracy is questioned. Some modification to that system is in a plan for the near future which may change the format the data will be received and the frequency it would be available.

3-NUMBER OF CHILDREN ADMITTED TO CARE BY PERSONAL DATA

Definition - number of children entering into the care of the Superintendent of Child Welfare
Supplier - Department of Social Services
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - cw admitted to care 9(4)
- cw school status 9(1)
- cw sex 9(1)
- cw age 9(2)
- cw ethnic origin 9(1)
- cw living arrangements 9(1)
- cw status of parents 9(1)
- cw father's age 9(1)
- cw mother's age 9(1)

Values	- cw admitted to care	> 0 < 9,999
	- cw school status	1 = attends regularly
		2 = irregular attendance
		3 = drop-out
		4 = expelled
		5 = special program
		6 = other
	- cw sex	1 = Male 2 = Female
	- cw age	> 0 < 99
	- cw ethnic origin	1 = Indian
		2 = Metis
		3 = Inuk
		4 = Other
	- cw living arrangements	1 = with parent
		2 = with grandparents/relatives
		3 = non-relatives
		4 = other
	- cw status of parents	1 = natural parents
		2 = adoptive parents
		3 = common-law parents
	- cw father's age	1 = under 21
		2 = 21-30
		3 = 31-40
		4 = 41-50
		5 = over 50
	- cw mother's age	same as father's age
Frequency	- available yearly	
Note	- same as the previous one	

4-LEGAL STATUS OF CHILDREN ADMITTED TO CARE

Definition	- the legal status of the child plus the reason for the child's admission to care or supervision	
Supplier	- Department of Social Services	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- cw legal status	9(1)
	- cw reason for admission	9(2)
Values	- cw legal status	1 = apprehension
		2 = sec. 19(2)(a) supervision
		3 = temporary ward (C.W.O.)
		4 = permanent ward
		5 = temporary ward (J.D.A.)
		6 = juvenile probation
		7 = non-ward care

	- cw reason for admission	1 = child's physical handicap
		2 = child's mental retardation
		3 = child's emotional or behavioral problems
		4 = child in conflict with law
		5 = parental abuse of child
		6 = parental neglect of child
		7 = parent surrended child for adoption
		8 = illness or physical disability of parent(s)
		9 = emotional problem or mental illness of parent(s)
		10 = parent unable to supervise child
		11 = financial need and/or inadequate housing
		12 = death of parent
		13 = alcohol abuse by parent
Frequency	- available yearly	
Notes	- refer to previous one	

5-NUMBER OF CHILDREN IN CARE PLACEMENT AND PLAN

Definition	- "placement" refers to the type of home or facility a child who is in care is placed and "plan" refers to the social worker's future plan for the child	
Supplier	- Department of Social Services	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- cw placement	9(2)
	- cw plan	9(2)
Values	- cw placement	1 = parent(s) care
		2 = free foster home
		3 = foster home
		4 = group home
		5 = receiving home
		6 = Ft. Smith Centre
		7 = own resource
		8 = A.W.O.L.
		9 = non-D.S.S.institutional care
		10 = adoption home
		11 = other
	- cw plan	1 = return to parent home
		2 = permanent foster care
		3 = adoption
		4 = long term institutional care
		5 = treatment program
		6 = uncertain
		7 = health care/therapy
		8 = education/employment
		9 = rehabilitation
		10 = other
Frequency	- available yearly	
Notes	- refer to previous one	

6-NUMBER OF ADOPTIONS BY TYPE

Definition - total number of adoptions by type
Supplier - Department of Social Services
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of adoptions 9(2)
- type of adoption 9(1)
Values - number of adoptions > 0 < 100
- type of adoption 1 = custom (native)
2 = private
3 = departmental
Frequency - available yearly
Notes - currently, there is an automated "child welfare system" but the accuracy of the data is questioned. Some modification to the system is in a plan for the near future which may change the format the data will be received and the frequency it would be available. The number of adoptions will only represent the ones that the individuals wanted the Department of Social Services involvement

7-NUMBER OF ABORTIONS PERFORMED ON WOMEN FROM BEAUFORT/DELTA AREA

Definition - the total number of abortions performed on womean from the Beaufort/Delta area
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of abortions 9(3)
Values - number of abortions > 0 < 1,000
Frequency - available yearly
Notes - the number of abortions performed will only be the number of abortions that are performed in N.W.T. For the Beaufort/Delta area, this number will be 99% accurate. This information will only be reported by region

8-NUMBER OF SENIOR CITIZENS IN NEED FOR A FACILITY

Definition - total number of senior citizens in need of a facility by type, by community
Supplier - NWT housing Corporation
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of needy seniors 9(2)
Values - number of needy seniors > 0 < 100
Frequency - available yearly
Notes - an atomated approach for the Housing Corp is in the planning stage.
The format and frequency might change and the accuracy of the data may improve.

9-NUMBER OF INCIDENTS OF SPOUSAL ASSAULT

Definition - total number of spousal assaults broken down by reported, charged, cleared and convicted

Supplier
- reported - Department of Social Services & RCMP
- charged - R.C.M.P.
- cleared - Department of Justice and Public Services
- convicted - Department of Justice and Publis Services

Format - interface to the Justice Information System and the Youth Justice Information System

Size
- reported spousal assault 9(2)
- charged spousal assault 9(2)
- cleared spousal assault 9(2)
- convicted spousal assault 9(2)

Values
- reported spousal assault > 0 < 100
- charged spousal assault > 0 < 100
- cleared spousal assault > 0 < 100
- convicted spousal assault > 0 < 100

Frequency - available yearly

ISSUE - EDUCATION

As the Government of Canada began to increase its presence in the north, it "contracted" educational services to the various church missions. During the late forties and fifties, the churches constructed large residential institutions and began the process of enrolling children in their educational programs. By the late sixties, the Territorial Government had assumed the responsibility of providing educational services to the North. The Department of Education embarked on an ambitious school construction program and modest schools with grades 1 to 6 were established in most communities. The migration and settlement of the native people were accelerated by these schools as settlement life replaced the nomadic lifestyle of the previous generation. Secondary education remained centralized in Inuvik in two large residential facilities. Over time the grades provided in the settlements were increased and today most students need to move to Inuvik for grades 10 to 12. Adult education, upgrading, apprenticeship training and post secondary education remain the responsibility of the Department of Education. The Department provides a variety of programs in the settlements, a college in Fort Smith and sponsorship for education in southern institutions.

INDICATORS

The Department of Education has begun to computerize some of its statistical data. Up until recently most ofv the data was not collected and what was collected was stored manually. Generally, the data are fairly consistent with few variations. There are some limitations with the data on enrollment and attendance and some discretion is left to the teacher's judgement. If a student does not enroll in September but joins the school part way through the year, he will not necessarily appear as a statistic on the enrollment form. If a student were to quit after enrolling then he may not show as a drop-out. In order to control fluctuation, enrollment for the academic year should be taken in September. This would ensure a certain level of consistency from year to year. The comparisons of enrollment over time will show the drop-out rate by ethnicity. These trends will be very important in any monitoring study.

1-GRADE LEVEL THAUGHT IN EACH COMMUNITY
Definition - the grade levels thaught in each cmmunity
Supplier - Department of Education
Format - interface to Education System
Size - grade level thaught 9(2)
Values - grade level thaught > 0 < 12
Frequency - upon request

2-SCHOOL ENROLLMENT
Definition - the number of students enrolled in school
Supplier - Department of Education
Format - interface to Education System
Size - school enrollment 9(3)
Values - school enrollment > 0 < 1,000
Frequency - upon request
Notes - broken down into; 1. total enrollment
2. elementary a) kindergarden
b) grades 1 to 6
3. junior high (7-9)
4. senior high (10-12)
5. special
6. college
7. university

3-SCHOOL ATTENDANCE
Definition - percentage of students attending school on a regular basis
Supplier - Department of Education
Format - interface to Education System
Size - school attendance 9(3)
- school level 9(1)
Values - school attendance > 0 < 101%
- school level 1 = total enrollment
2 = elementary
3 = junior high
4 = senior high
5 = special
Frequency - upon request
Notes - attendance will be grouped by 0-25%, 26-50%, 51-75% and 76-100%.

4-TEACHERS AND CLASSROOM ASSISTANTS

Definition	- number of certified teachers and classroom assistants	
Supplier	- Department of Education	
Format	- interface to Education System	
Size	- number of teachers	9(3)
	- number of classroom assistants	9(3)
	- degree level	9(1)
Values	- number of teachers	> 0 < 1,000
	- number of classroom assistants	> 0 < 1,000
	- degree level	1 = diploma
		2 = certificate
		3 = degree
		4 = advance degree
Frequency	- upon request	

5-RATIO OF STUDENTS TO TEACHERS

Definition	- the number of students to teachers	
Supplier	- Department of Education	
Format	- interface to Education System	
Size	- ratio - student/teacher	9(3)
Values	- ratio - student/teacher	> 0 < 1,000
Frequency	- upon request	
Notes	- by knowing the number of teachers and the number of students, the ratio will be calculated.	

6-GRADUATES

Definition	- the number of students graduating by grade and sex	
Supplier	- Department of Education	
Format	- interface to Education System	
Size	- graduate sex	9(1)
	- graduate grade	9(2)
Values	- graduate sex	1 = male 2 = female
	- graduate grade	1 to 12 + college + university
Frequency	- upon request	

7-NWT POST-SECONDARY GRANTS AND LOANS

Definition	- the total amount of financial loans and grants and the number of students that have received it.	
Supplier	- Department of Education	
Format	- interface to Education System	
Size	- education grants	9(7)
	- education loans	9(7)
Values	- education grants	> 0 < 100,000.00
	- education loans	> 0 < 100,000.00
Frequency	- available yearly	
Notes	- broken down into:	1. total recipients
		2. university
		3. technical/college

8-ADULT EDUCATION COURSES

Definition - the number of Adult Education courses offered in the Beaufort/Delta area
Suppliers - Thebacha College
- Inuvik Education Society
- Native Women's Association
- Department of Education
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of adult ed courses 9(3)
Values - number of adult ed courses > 0 < 1,000
Frequency - available yearly

9-ADULT EDUCATION ENROLLMENT

Definition - the number of students who have enrolled and completed Adult Education Courses in the Beaufort/Delta area by type
Supllier - Thebacha College
- Inuvik Education Society
- Native Women's Association
- Department of Education
Format - will receive in report format and data entry to NOGAP database will be performed
Size - type of adult ed course 9(1)
- adult ed enrollment 9(3)
- adult ed completed 9(3)
Values - type of adult ed course 1 = academic
2 = pre-employment
3 = other
- adult ed enrollment > 0 < 1,000
- adult ed completed > 0 < 1,000
Frequency - available yearly

ISSUE - HEALTH

It is evident from previous research and the NOGAP efforts in interviewing community people that there exists differences among the communities. Health indicators and issues vary from community to community. In some communities there is a dependency upon the local nursing station where every minor health concern results in a visit to the nursing station. Other communities seem to have a greater understanding of health care and consult with the nurse with greater discretion.

INDICATORS

One would think that evaluating a community's physical "well-being" would be a straight-forward statistical exercise. For example, if the community had a high number of diseases andd illnesses then a corresponding number of visits to the health centre would be expected. However, there exists a number of intervening variables that can throw this analysis off. For example, if the people were highly ignorant about health care they may not visit the health centre when they should. Or on the other hand they may visit the centre over every cold and scratch. So the community's "health care knowledge" would influence whether or not the community "abused" or "ignored" the centre.

1-BIRTHWEIGHTS
Definition - number of infants born with low birthweights. rate per 100 live births
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - birthweights 9(4)
Values - birthweights > 0 < 100.00
Frequency - available yearly

2-INFANT BIRTHRATE AND MORTALITY
Definition - birthrate and infant mortality by ethnicity/1000
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - perinatal deaths 9(4)
- neonatal deaths 9(4)
- post neonatal 9(4)
- live births 9(4)
Values - perinatal deaths > 0 < 100.00
- neonatal deaths > 0 < 100.00
- post neonatal > 0 < 100.00
- live births > 0 < 100.00
Frequency - available yearly
Notes - at this time, we re not sure if a breakdown by community is available. See page 25-26 of the "report on Health Conditions in the NWT 1984"

3-LIFE EXPECTANCY
Definition - life expectancy at age one by ethnicity
Supplier - Bureau of Statistics
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - ?
Values - ?
Frequency - ?

4-TEENAGE PREGNANCY
Definition - number of pregnant woman under 19 years of age
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - teenage pregnancy 9(3)
Values - teenage pregnancy > 0 < 1,000
Frequency - available yearly
Notes - See page 40 of the "Report on Health Conditions in the NWT 1984"

5-HOSPITAL SERVICES
Definition - number of newborn and newborn days
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - ?
Values - ?
Frequency - available yearly

6-HOSPITAL SERVICES
Definition - number of patients and patient days
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - ?
Values - ?

7-HOSPITAL SERVICES
Definition - number of outpatient visits
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - ?
Values - ?
Frequency - available yearly

8-HEALTH SERVICES
Definition - medical care: number of services and patients treated
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of services 9(4)
- number of patients 9(4)
Values - number of services > 0 < 10,000
- number of patients > 0 < 10,000
Frequency - available yearly
Notes - See page 51 of the "Report on Health Conditions in the NWT 1984"

9-INDUSTRIAL ACCIDENTS

Definition - number of industrial injuries and anatomy description

Supplier - Worker's Compensation Board

Format - will receive in report format and data entry to the NOGAP database will be performed

Size - number of ind. accidents 9(4)
- anatomy description 9(3)
- injury description 9(3)

Values - number of ind. accidents > 0 < 10,000
- anatomy description
100 = head
140 = ears
150 = face
153 = mouth
154 = nose
155 = eye
200 = neck
314 = shoulder
320 = upper arm
330 = elbow
340 = forearm
350 = wrist
360 = hand
370 = thumb/fingers
400 = chest
500 = abdomen
600 = back
710 = hip
720 = upper leg
730 = knee
740 = lower leg
750 = ankle
760 = foot
770 = toes
800 = body systems
900 = multiple
901 = non-personal
999 = other

- injury description
110 = amputation
122 = laceration
125 = puncture
131 = dislocation
132 = sprain
133 = strain
134 = crush
135 = fracture
136 = contusion
138 = hernia
139 = foreign body
152 = abrasion
210 = burn (heat)
211 = burn (chemical)
212 = temperature effects
231 = welding flash

300 - indus disease
320 = dermatitis
342 = synovitis/tenosyn
353 = fume inhalition
400 = non-personal
900 = multiple
999 = other

10-DEATH
Definition - cause of death by catagory
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of deaths 9(3)
- cause of death 9(2)
Values - number of deaths > 0 < 1,000
- cause of death
1 = infectious & parasitic diseases
2 = neoplasms
3 = endocrine, nutritional & metabolic diseases & immunity
4 = diseases of blood & blood-forming organs
5 = mental disorders
6 = diseases of the nervous system & sense organs
7 = diseases of the circulatory system
8 = diseases of the respiratory system
9 = diseases of the digestive system
10 = diseases of the genitourinary system
14 = congenital anomalies
15 = certain conditions originating in the perinatal period
16 = symptoms, signs & ill-defined conditions
17 = injury & poisoning
Frequency - available yearly

11-ENVIRONMENTAL RELATED ILLNESSES
Definition - number of related cases of environmental related illnesses
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of shigellosis cases 9(4)
- number of gastro-enteritis cases 9(4)
- number of gonorrhea cases 9(4)
Values - number of shigellosis cases > 0 < 10,000
- number of gastro-enteritis cases > 0 < 10,000
- number of gonorrhea cases > 0 < 10,000
Frequency - available yearly
Notes - at this time, Health and Welfare Canada said that this information was not available

12-MEDIVACS
Definition - number of medivacs to larger health centres
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of medivacs 9(5)
Values - number of medivacs > 0 < 100,000
Frequency - available yearly

13-STAFF TURNOVER
Definition - percentage of Health & Welfare staff turnover per year over total number of employees
Supplier - Department of Health
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - total staff 9(4)
- native staff 9(4)
Values - total staff > 0 < 10,000
- native staff > 0 < 10,000
Frequency - available yearly
Notes - the word "native" will have to be clearly defined

14-DOCTORS
Definition - number of doctors practicing in the area
Supplier - Department of Justice and Public Services
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of doctors 9(4)
Values - number of doctors > 0 < 10,000
Frequency - available yearly
Notes - the accuracy of this number is questionable

ISSUE - MENTAL HEALTH

Community people have been quick to express their concerns regarding mental health issues. Suicide and Suicide attempts have shocked some communities into reacting with efforts to combat these tragic events. Carley cited recent events in the area referring to the numerous suicides among young males. He referenced these changing values and community expectations as an example as to how young people have been caught between the traditional culture and the impact of industrialization, All to frequently, these youth have opted for a formal education and have lost many of the land skills. They drop out and find themselves unqualified for wage employment or unwilling to leave their community for rotational employment. Unable to participate in a meaningful income producing activity they find themselves bored and restless resorting to excessive drinking, sniffing solvents or crime to pass the time. Depression and low self-esteem follow and in combination with alcohol, these young men turn to suicide.

INDICATORS

The quantative data on mental health issues are extremely limited. There are few formal services provided and those programs that are in effect are not quantifying their service. Only two indicators were identified (suicides and suicides attempts) which present a rather narrow view of mental health. Further more these indicators are fraught with weaknesses described in the notes under each indicator. They are not reliable and must only be used as a cursory guide to overall trends and patterns.

1-SUICIDES

Definiton	- number of suicides by age and sex	
Supplier	- Department of Health	
Format	- will receive in report format and data entry to NOGAP database will be performed	
Size	- number of suicides	9(3)
	- age grouping	9(1)
	- sex	9(1)
Values	- number of suicides	> 0 < 1,000
	- age grouping	1 = under 15 2 = 15-24 3 = 25-34 4 = 35-44 5 = 45-54 6 = 55-64 7 = over 65
	- sex	1 = male 2 = female
Frequency	- available yearly	

2-SUICIDE ATTEMPTS

Definition	- number of reported suicide attempts by age and sex	
Supplier	- Department of Social Services	
Format	-	
Size	- number of suicide attempts	9(4)
	- age grouping	9(1)
	- sex	9(1)
Values	- number of suicide attempts	> 0 < 10,000
	- age groupinp - attempts	1 = under 15 2 = 15-24 3 = 25-34 4 = 35-44 5 = 45-54 6 = 55-64 7 = over 65
	- sex	1 = male 2 = female
Frequency	- available yearly	
Notes	- Health & Welfare Canada does not have this information Suicide Attempts is define as the Department of Social Sevices defines it.	

3-YOUNG OFFENDERS AND MENTAL HELTH

Definition	- the number of young offenders with mental health problems	
Supplier	- Department of Social Services	
Format	- interface with the Youth Justice Information System	
Size	- number of youth with mental problems	9(3)
Values	- number of youth with mental problems	> 0 < 1,000
Frequency	- available upon request	

ISSUES - CRIME AND PUBLIC JUSTICE

There is a very positive attitude among the community residents towards the RCMP even though the police rotate through the communities on an average of every two years. There is a general feeling that the police are doing their best in trying to support and protect the communities against anti-social behaviour. It is a job that no one envies and some people are grateful that an outsider can come and perform this duty. People are basically sympathetic and realize that it would be difficult for a local person to "police" unruly and violent behaviour of friends and relatives. Unfortunately, due to the segregation of the system, there exists a certain degree of "them and us" among the police and the native population. This is an evident and unavoidable reality of the criminal justice system and permeates all aspects of community life.

INDICATORS

One would think that the use of straight forward crime statistics would be reasonably objective and not subject to uncontroled variables. Quite simply, the increase in the number of break-ins represents an increase in crime. However, a serious limitation with criminal justice statistics used in socioeconomic monitoring was identified. It was pointed out that the data are very sensitive to the "human discretion" of the police and court judges. Different police officers have different crime reporting and charging practices that reflect their personal style as a police officer. For example, one officer may tend to not report minor disturbances and provide a warning to the offender or refer him to social services whereas another officer may procede directly to the formal process of "laying on information". As a result crime rate statistics especially in communities with small population may vary widely with little relation to what is actually happening.

1-OFFENCES REPORTED

Definition	- the number of offences reported by category		
Supplier	- Department of Justice and Public Services		
Format	- interface to the Justice Information System		
Size	- reported offences(adult)	9(4)	
	- category of offences reported	9(1)	
	- type of offences reported	9(2)	
Values	- reported offences(adult)	> 0 < 10,000	
	- category of offences reported	1 = criminal code	
		2 = federal statues	
		3 = territorial statues	
		4 = municipal by-laws	
	- type of offences reported		
	(crime of violence)	1 = homicide	
		2 = attempted murder	
		3 = assaults	
		4 = robbery/others	
	(property crimes)	5 = break & enter	
		6 = motor vehicle theft	
		7 = theft over $200	
		8 = theft under $200	
		9 = fraud	
		10 = other	
Frequency	- available upon request		

2-OFFENCES CLEARED

Definition	- the number of offences cleared by type by category		
Supplier	- Department of Justice and Public Services		
Format	- interface to the Justice Information System		
Size	- cleared offences(adult)	9(4)	
	- category of offences cleared	9(1)	
	- type of offences cleared	9(2)	
Values	- cleared offences(adult)	> 0 < 10,000	
	- cleared offences(YOA)	> 0 < 10,000	
	- category of offences cleared	1 = criminal code	
		2 = federal statues	
		3 = territorial statues	
		4 = municipal by-laws	
	- type of offences cleared		
	(crime of violence)	1 = homicide	
		2 = attempted murder	
		3 = assaults	
		4 = robbery/others	
	(property crimes)	5 = break & enter	
		6 = motor vehicle theft	
		7 = theft over $200	
		8 = theft under $200	
		9 = fraud	
		10 = other	
Frequency	- available upon request		

3-OFFENCES AWAY FROM HOME

Definition	- the number of offences committed outside of the home community	
Supplier	- Department of Justice and Public Services	
Format	- interface to the Justice Information System and the Youth Justice Information System	
Size	- number of outside home offences	9(3)
Values	- number of outside home offences	> 0 < 1,000
Frequency	- available upon request	

4-ADMISSIONS TO NWT CORRECTIONAL CENTRES

Definition	- the number of admitted people to the NWT Correctional Centres	
Supplier	- Department of Social Services	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- number of admissions	9(4)
	- reason for admissions	9(1)
Values	- number of admissions	> 0 < 10,000
	- reason for admissions	1 = against persons
		2 = against property
		3 = drugs
		4 = liquor
		5 = motor vehicle
		6 - other
Frequency	- available yearly	

5-INTAKES TO PROBATION SERVICES

Definition	- the number of intakes to probation and parole services by offences	
Supplier	- Department of Social Services	
Format	- will receive in report format and data entry to the NOGAP datbase will be performed	
Size	- number of intakes to probation	9(4)
	- number of intakes to parole	9(4)
	- intake offence category	9(1)
Values	- number of intakes to probation	> 0 < 10,000
	- number of intakes to parole	> 0 < 10,000
	- intake offence category	1 = against person
		2 = against property
		3 = drugs
		4 = liquor
		5 = motor vehicle
		6 = other
Frequency	- available yearly	

6-PROBATION AND PAROLE CASES

Definition	- number of cases on probation and parole by age, sex and ethnicity	
Supplier	- Department of Social Services	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- number of probation cases	9(4)
	- number of parole cases	9(4)
	- age grouping prob/parole	9(1)
	- sex of probation/parole	9(1)
	- ethnicity probation/parole	9(1)
Values	- number of probation cases	> 0 < 10,000
	- number of parole cases	> 0 < 10,000
	- age grouping prob/parole	1 = under 15
		2 = 15-24
		3 = 25-34
		4 = 35-44
		5 = 45-54
		6 = 55-64
		7 = over 65
	- ethnicity probation/parole	1 = Indian
		2 = Inuit
		3 = Metis
		4 = other
Frequency	- available yearly	

7-CORRECTIONAL CENTRE INMATES

Definition	- inmates in NWT Correctional Centre by age, sex and ethnicity	
Supplier	- Department of Social Services	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- number of inmates	9(4)
	- age grouping of inmates	9(1)
	- sex ofinmates	9(1)
	- ethnicity of inmates	9(1)
Values	- number of inmates	> 0 < 10,000
	- age grouping of inmates	1 = under 15
		2 = 15-24
		3 = 25-34
		4 = 35-44
		5 = 45-54
		6 = 55-64
		7 = over 65
	- ethnicity of inmates	1 = Idian
		2 = Iniut
		3 = Metis
		4 = other
Frequency	- available yearly	

8-DISPOSITION OF PROBATIONERS

Definition - disposition data of probationers who require probation services

Supplier - Department of Justice and Public Services

Format - interface to the Justice Information System

Size - disposition type 9(1)

Values - disposition type
1 = incarceration
2 = probation
3 = restitution
4 = fine
5 = community service order

Frequency - available yearly

9-PRE-SENTENCE REPORTS

Definition - the number of pre-sentence reports and community assessments completed by community probation officers

Supplier - Department of Social Services

Format - will receive in report format and data entry to the NOGAP database will be performed

Size - number of pre-sentences report 9(3)

Values - number of pre-sentence report > 0 < 1,000

Frequency - available yearly

10-TYPE OF COURT

Definition - the number of offences presented by type of court

Supplier - Department of Justice and Public Services

Format - interface to the Justice Information System and the Youth Justice Information System

Size - type of court 9(1)

Values - type of court
1 = territorial
2 = supreme
3 = court of appeal
4 = justice of the peace
5 = other

Frequency - available upon request

ISSUE - YOUNG OFFENDERS

Communities in the Beaufort/Delta area have responded to youth crime in a variety of ways. The Inuvik Chamber of Commerce has posted a reward for any person reporting vandalism that results in a conviction. Other communities have attempted to identify and support troubled youth through volunteer counselling committees. Still other communities remain up in arms. People's attitude towards youth crime and appropriate responses varis greatly which sometimes reflect their general lack of understanding of the YOA. People do not know what to do and what steps to take and this represents a global confusion on how to prevent and respond to anti-social behaviour. But there is a general fear that as oil and gas development proceeds, there will be a corresponding rise in young offender activity. This fear frequently manifests itself in punitive and reactionary responses such as "lock them up" or "send them south" to specia facilities with a punitive atmosphere. Some members of the community seemed to have forgotten that these youths are products of the community. They have been born and raised in their community and are not foreign aliens that can be banished without longterm consequences.

INDICATORS

Since the YOA has been recently implemented, the statistical records will have changed. The definition of a juvenile (7-15) varies considerably from that of a young offender (12-17). Furthermore, clear court procedures may result in an increase in court convictions or may in fact reduce the number of convictions. Since some cases occurred before April 1, 1984, but were dealt with after the implementation date, statistical data after this date is still mixed with Juvenile offences under the Juvenile Delinquents Act. The calendar of January 1, 1985 provides a reasonably accurate base year.

1-YOUNG OFFENDERS CONVICTIONS

Definition	- number of young persons convicted by age,ethnicity and sex	
Supplier	- Department of Justice and Public Services	
Format	- interface to the Youth Justice Information System	
Size	- number of convictions YOA	9(4)
	- age YOA	9(2)
	- ethnicity YOA	9(1)
	- sex YOA	9(1)
Values	- number of convictions YOA	> 0 < 10,000
	- age grouping YOA	> 11 < 19
	- ethnicity YOA	1 = non-native 2 = inuit 3 = metis 4 = indian
	- sex YOA	1 = male 2 = female
Frequency	- available upon request	

2-DISPOSITION TO YOUNG OFFENDERS

Definition	- number of young offenders by disposition	
Supplier	- Department of Justice and Public Services	
Format	- interface to Youth Justice Information System	
Size	- type of disposition	9(1)
Values	- type of disposition	1 = absolute discharge 2 = probation 3 = custody i) open ii) closed 4 = restitution 5 = compensation 6 = community services 7 = fine 8 = treatment
Frequency	- available upon request	
Notes	- one offender may have more than one type of disposition ie. 2 mths open custody with 1 yr probation	

3-OFFENCES REPORTED
Definition - the number of offences reported by category
Supplier - Department of Justice and Public Services
Format - interface to Youth Justice Information System
Size - reported offences YOA 9(4)
- category of offences reported YOA 9(1)
- type of offences reported YOA 9(2)
Values - reported offences YOA > 0 < 10,000
- category of offences reported YOA 1 = criminal code
2 = federal statues
3 = territorial statues
4 = municipal by-laws
- type of offences reported YOA
(crime of violence) 1 = homicide
2 = attempted murder
3 = assaults
4 = robbery/others
(property crimes) 5 = break & enter
6 = motor vehicle theft
7 = theft over $200
8 = theft under $200
9 = fraud
10 = other
Frequency - available upon request

4-OFFENCES CLEARED
Definition - the number of offences cleared by category
Supplier - Department of Justice and Public Services
Format - interface to Youth Justice Information System
Size - cleared offences YOA 9(4)
- category of offences cleared YOA 9(1)
- type of offences cleared YOA 9(2)
Values - cleared offences YOA > 0 < 10,000
- category of offences cleared YOA 1 = criminal code
2 = federal statues
3 = territorial statues
4 = municipal by-laws
- type of offences cleared YOA
(crime of violence) 1 = homicide
2 = attempted murder
3 = assaults
4 = robbery/others
(property crimes) 5 = break & enter
6 = motor vehicle theft
7 = theft over $200
8 = theft under $200
9 = fraud
10 = other
Frequency - available upon request

5-OFFENCES AWAY FROM HOME
Definition - the number of offences committed outside of the home community
Supplier - Department of Justice and Public Services
Format - interface to the Youth Justice Information System
Size - number of outside home offences YOA 9(3)
Values - number of outside home offences YOA > 0 < 1,000
Frequency - available upon request

6-TYPE OF COURT
Definition - the number of offences presented by type of court
Supplier - Department of Justice and Public Services
Format - interface to the Youth Justice Information System
Size - type of court YOA 9(1)
Values - type of court YOA
1 = territorial
2 = supreme
3 = court of appeal
4 = justice of the peace
5 = other
Frequency - available upon request

ISSUE - HOUSING

There exists two main issues regarding housing and they are issues that are not at all unique to the north. They are; a shortage of suitable housing and the disparity between the quality of housing mainly between the native and non-native populations. The shortage of suitable accommodation and the resulting over-crowding of existing units is well recognized and documented by formal and informal sources. The demand for housing simply exceeds the supply of new or renovated homes. Each Housing Association holds extensive waiting lists of reasonable requests for housing and in Inuvik the vacancy rate is very low.

INDICATORS

The housing indicators identified in the preliminary report are collected for management and administrative purposes and have some limitations in their applicability to the general housing situation. One of the main concerns is the lack of statistics regarding private housing. Private housing includes owner occupied homes as well as leased homes and apartments. It may be impossible to collect accurate statistics on small businesses that provide modest apartments or facilities for seasonal work crews. For example, a small decorating business may supply temporary accommodation in the back of a warehouse, in a trailer or a shared apartment. Housing overcrowding would also be difficult to identify. People living in Inuvik frequently have relatives and friends from the communities staying with them for extended periods of time. They would be reluctant to report their situation for fear of rent increases or eviction. The NWT Housing Corporation does report as accurately as possible the housing status and overcrowding is partially addressed in their statistics.

1-HOUSING STATUS
Definition - number of required bedroom units per community
Supplier - NWT Housing Corporation
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - required bedroom units 9(4)
Values - required bedroom units > 0 < 10,000
Frequency - available yearly
Notes - this data is only for public housing. Private homes are not included

2-SUBSTANDARD HOUSING
Definition - percentage of housing units substandard by condition rating
Supplier - NWT Housing Corporation
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - total number of housing 9(4)
- housing below substandard 9(4)
- condition rating 9(1)
Values - total number of housing > 0 < 10,000
- housing below substandard > 0 < 10,000
- condition rating 1 = excellent
2 = average
3 = below average
4 = un-liveable
Frequency - available yearly

3-HOUSING CONSTRUCTION
Definition - number of housing units and bedrooms constructed by the NWTHC
Supplier - NWT Housing Corporation
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - constructed units 9(3)
Values - constructed units > 0 < 1,000
Frequency - available yearly

4-HOUSING ASSOCIATION COSTS AND REVENUES
Definition - costs and revenues compared on each unit by the community housing association
Supplier - NWT Housing Association
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - operating costs 9(8)
- revenue dollars 9(8)
Values - operating costs > 0 < 1,000,000.00
- revenue dollars > 0 < 1,000,000.00
Frequency - available yearly
Notes - it was mentioned that this information would be extremely difficult to accumulate for the past years. An effort will be taken to start collecting this data.

5-SENIOR CITIZENS HOUSING
Definition - number of available units for senior citizens
Supplier - NWT Housing Corporation
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - units for senior citizens 9(3)
Values - units for senior citizens > 0 < 1,000
Frequency - available yearly

6-RENTS PAID BY SOCIAL ASSISTANCE
Definition - number and dollar value of rents paid by social assistance
Supplier - Department of Social Services
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of rents paid 9(3)
Values - number of rents paid > 0 < 1,000
Frequency - available yearly

7-HOUSING STARTS
Definition - total number and construction dollar value of housing
Supplier - Local Municipal Governments
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of housing starts 9(3)
- construction value 9(8)
Values - number of housing starts > 0 < 1,000
- construction value > 0 < 1,000,000.00
Frequency - available yearly

8-EVICTIONS
Definition - number of evictions by reason
Supplier - ?
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of evictions 9(2)
Values - number of evictions > 0 < 100
Frequency - available yearly
Notes - NWTHC said that they very seldom would they evict tenants. Secondly, this data is not collected.

9-FAMILY UNITS
Definition - total number of family units per house
Supplier - NWT Housing Corporation
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - number of units per house 9(2)
Values - number of units per house > 0 < 100
Frequency - available yearly

ISSUE - ALCOHOL AND DRUGS

Alcohol abuse is prevelant in family breakdown, child protection issues, health problems, violent and non-violent criminal behaviour and accidental deaths. It covers almost every social problem and there are not any simple solutions. In spite of the magnitude of the problem, the area has seen a reduction in the availability of funds for the major program service. The individuals that take part in these programs revolve back and forth in a seemingly never ending cycle of sobriety and drunkness. Others admit the problems in the programs but point out that the long term benefits will outweigh these shortcomings. The NOGAP researchers found a willingness on the part of many people to share their opinions. Some people felt that any effort to curb the problems was better than no effort at all.

INDICATORS

It is somewhat ironic that people identify alcohol as the number one social problem and yet there is so little on-going monitoring of the situation. The statistics on alcohol sales in both volume and sales gives the reader some idea of the degree of consumption. But they do not really explain what is happening. Some of the indicators such as deaths, crime and social problems relating to alcohol has permeated the society and contributed to the ruin of people's lives. Some of these indicators would lend themselves to comparisions outside of the area, to the NWT, and the provinces. It is expected that such comparisions would illustrate the degree of the problem and whether or not it is increasing. As the area industrializes with increase hydrocarbon development, does the alcohol and drug consumption increase and do the related social problems escalate? Or, on the other hand, will people find more meaningful activities to persue as employment and economic benefits become available, and become less reliant on alcohol as a means of entertainment?

1-ALCOHOL SALES
Definition - volume in litres of alcohol sales at the Inuvik Liquor Store
Supplier - NWT Liquor Commission
Format - will receive in report format and data entry to the NOGAP database will be performed
Size - volume of alcohol sales 9(6)
Values - volume in alcohol sales > 0 < 1,000,000
Frequency - available yearly

2-ALCOHOL SALES
Definition - dollar value of alcohol sales at the Inuvik liquor store
Supplier - NWT Liquor Commission
Format - will receive in report format and data entry to NOGAP database will be performed
Size - dollars of alcohol sales 9(9)
Values - dollars of alcohol sales > 0 < 10,000,000.00
Frequency - available yearly

3-DEATHS RELATED TO ALCOHOL
Definition - number of deaths related to alcohol and violence
Supplier - ?
Format - ?
Size - ?
Values - ?
Frequency - ?
Notes - Health and Welfare Canada said that they did not have this type of information. At this point, no further investigation was conducted.

4-CRIME WITH LIQUOR
Definition - number of crimes in which liquor was involved
Supplier - Department of Justice and Public Services
Format - interface to Justice Information System and the Youth Justice Information System
Size - liquor related crime 9(3)
Values - liquor related crime > 0 < 1,000
Frequency - available upon request

5-DRUGS CHARGES AND CONVICTIONS
Definition - number of drug charges and convictions
Supplier - Department of Justice and Public Services
Format - interface to Justice Information System and the Youth Justice Information System
Size - drug charges 9(3)
- drug convictions 9(3)
Values - drug charges > 0 < 1,000
- drug convictions > 0 < 1,000
Frequency - available upon request

ISSUE - COMMUNITY PARTICIPATION & LEISURE ACTIVITY

The reporting of leisure activities does not lend itself to quantifiable data. Although some data would be available in statistical form, the major component of the report would be a discussion of the issues supported by a modest survey. Some communities seem to have limited recreational and leisure facilities. Some communities are heavily dependent upon bingos as the only formal recreation program and such activities as gambling, parties and drinking as informal activities. Other communities provide a wider variety of leisure pursuits. They have such formal activities as recreation clubs for youths, organized sports and sponsored recreational dances and special activities such as spring festivals. Their residents seem to participate in a wider variety of informal activities as well as skiing, dog teams, arts and crafts and cultural activities. These activities reports can be produced with a minimum of difficulty. Contact with the community will quickly identify what has been happening over the past years.

INDICATORS

The collection of a few indicators has not been fully developed at this stage,. It is recommended that a simple questionnaire be developed that will produce enough information to determine the level of recreational activities participated in each community.

1-RECREATIONAL ACTIVITIES

Definition	- number of active recreational activities	
Supplier	- Hamlet/Settlement Secretary	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- type of activity	9(2)
	- participants by type	9(3)
Values	- type of activity	1 = curling 2 = minor hockey 3 = senior hockey 4 = cultural & heritage clubs 5 = music club 6 = drama club 7 = bingos
	- participants by type	> 0 < 1,000
Frequency	- available yearly	
Notes	- a questionnaire will be prepared to gather this type of information	

2-DOLLARS SPENT

Definition	- total dollars spent on recreation programs	
Supplier	- Department of Local Government	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- dollars spent	9(8)
Values	- dollars spent	> 0 < 1,000,000.00
Frequency	- available yearly	

3-RECREATION STAFF

Definition	- number of person years spent on recreation	
Supplier	- Department of Local Government	
	- Recreation Director - Town of Inuvik	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- person years	9(3)
Values	- person years	> 0 < 1,000
Frequency	- available yearly	

4-RECREATION COMMITTEES

Definition	- number of recreation committee meetings per year	
Supplier	- Hamlet/Settlement Secretaries	
Format	- will receive in report format and data entry to the NOGAP database will be performed	
Size	- number of meetings	9(2)
	- attendance of meetings	9(1)
Values	- number of meetings	> 0 < 100
	- attendance of meetings	1 = excellent 2 = good 3 = poor 4 = cancelled meetings
Frequency	- available yearly	

Northwest Territories

FLOWCHARTING FORM

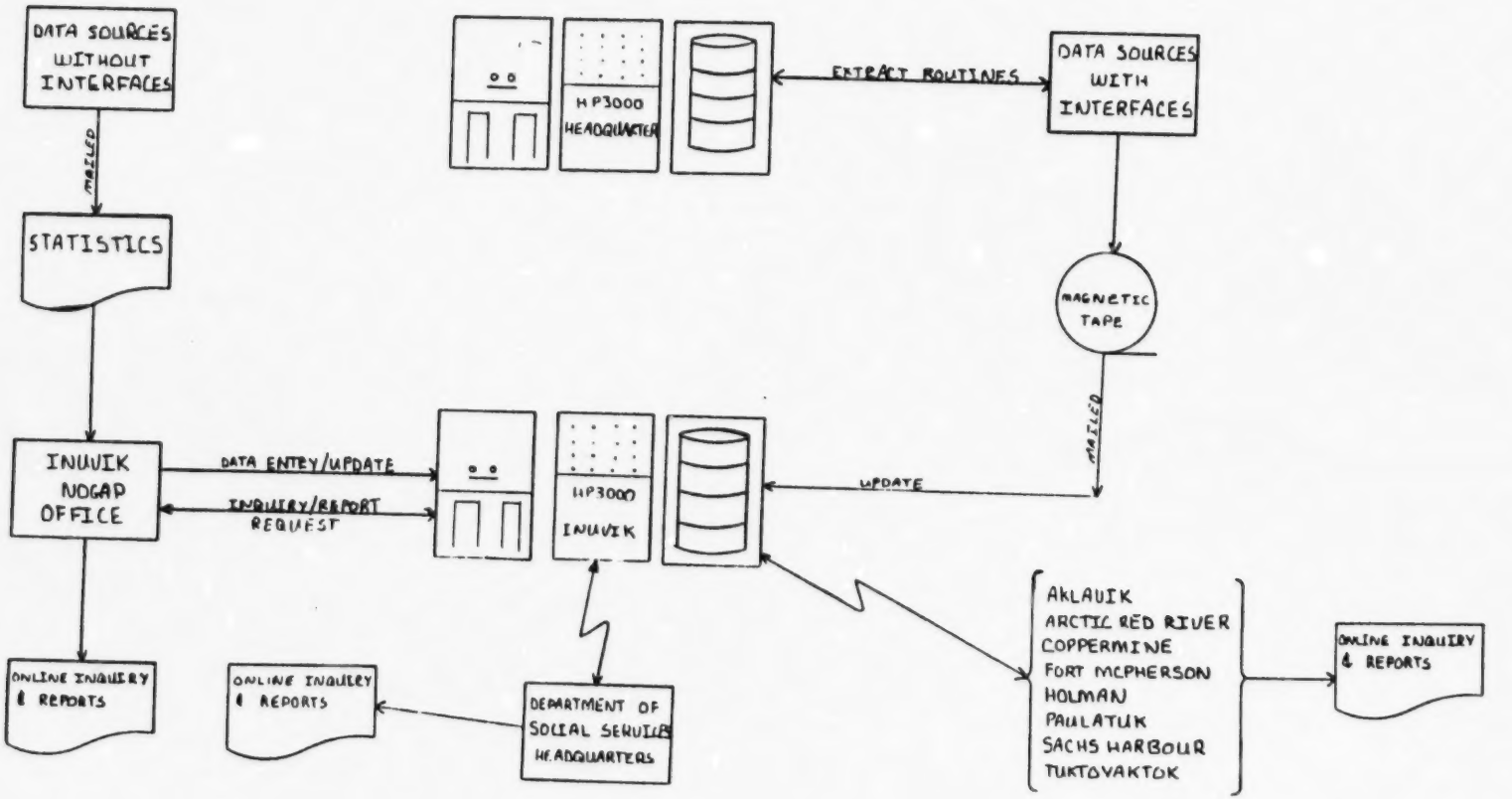
SYS	SS	PC	PG

DATE / /

NAME: CONCEPT DIAGRAM

PAGE ___ OF ___

PREPARED BY	CHECKED BY



F. SYSTEM APPROACH AND FEASIBILITY

Since the mandate of NOGAP is to conduct a study on the impact of oil and gas developoment in the Beaufort/Delta area, it is proposed that the NOGAP database reside on the Inuvik HP3000 for easy access by the NOGAP office situated in Inuvik.
Data entry, enquiries and request for reports for the NOGAP database will all be menu driven for easy accessibility.

ACCESS

There is no problem for the NOGAP office in Inuvik accessing the NOGAP database system. All that is required is a modem and a telephone line set-up. If the other eight communities, namely Aklavik, Arctic Red River, Fort McPherson, Tuktoyaktuk, Holman, Sachs Harbour, Paulatuk and Coppermine, need access, they can either request a report by phoning the NOGAP office in Inuvik or if direct access is required, they would need a modem, a line set-up and a HP3000 compatable computer terminal at their end and a dial-in modem would be required on the Inuvik computer. If hard copy reports are required by the communities, the communities would also need a printer. Long distance telephone charges would also be a cost incurred by the communities.
Only the cost incurred by the NOGAP office in Inuvik have been estimated in the hardware cost of the NOGAP database project. Access from Yellowknife to the NOGAP database in Inuvik would be provided through telephone lines at the cost of the long distance charges.

DATA CAPTURE

Data entry is to be performed by the NOGAP office in Inuvik. There are two methods in which data will update the NOGAP database. When a Government of the Northwest Territories department already has an automated system in place, an interface program will be written to extract the necessary data from that system to a magnetic tape which will be sent to Inuvik to update the NOGAP database. Examples of GNWT departments that fall in this category are the Department of Education, Department of Social Services, Department of Justice and Public Services, Department of Health. The other method to update the NOGAP database is by entering the data from a pre-determined report format. A data entry screen will be designed to resemble to the reports for easy data entry. Examples of sources that their data would be entered using this method are the Worker's Compensation Board, Unemployment Insurance Commission, Local Governments and NWT Housing Corporation.

OUTPUT REPORTS

Reports generated from the NOGAP database system will be printed in Inuvik and mailed to the requesters. If the communities have their own terminals and printers, the reports could be printed at the requesters location.
The reports themselves will be pre-formatted and will not contain more than one issue per report. For example, if a request is received to compare the number of graduates from grade 12 in Inuvik and the number of unemployed in the same age range from Inuvik for the year 1983, two reports would be produced with many elements (indicators) on each (ie: age, sex, ethnicity...). The system will not attempt to interpret the data. Most of the sources supplying the data make it available on a yearly basis. Therefore, the reports would omnly have to be run yearly. Some of the sources could supply the data on a monthly or quarterly basis which would alter the frequency of some of the reports.

G. SYSTEM EVALUATION

COST/BENEFIT ANALYSIS

Presented are two alernatives available to the Department of Social Services with regard to the implementation of the NOGAP DATABASE SYSTEM. The two alternatives selected are;

ALTERNATIVE 1 - BASIC MANUAL SYSTEM

ALTERNATIVE 2 - AUTOMATED SYSTEM

In presenting the two alternatives, the advantages and disadvantages of both will be discussed. The cost of the proposed alternative will also be calculated.

ALTERNATIVE 1 - BASIC MANUAL SYSTEM

This alternative assumes that all the requirements identified by the Steering Committee members will be done manually.

ADVANTAGES/DISADVANTAGES

1. Because of the numerous elements (indicators) to be collected and the numerous sources supplying the data, manual procedures would have to be established.
2. The ability to manipulate the data would be very costly, inefficient and probably unreliable.
3. Because of the deadlines imposed by the oil and gas industries for producing reports, the timeliness of the data becomes a very important factor and experience has shown that reports would not be produced on time.
4. The higher risk of human errors in a manual system jeopardizes the accuracy of the data.
5. Human resources are limited in the north to research the necessary data.
6. The Steering Committee has committed itself to accurate and readily available data and realized an automated system was the best solution.
7. The cost of having the extra staff to collect the data, tabulate the data and prepare reports would exceed the cost of alternative two.

ALTERNATIVE 2 - AUTOMATED SYSTEM

This alternative assumes that procedures where feasible, will be automated. The role of the clerical staff would be primarely data entry and running reports for the different communities.

ADVANTAGES/DISADVANTAGES

1. Numerous elements would not need to be data entered because interfaces would be established with existing automated system (ie. social services, justice and public services, education, health). This process eliminates double data entry.

2. The ability to manipulate the data in order to present the data in different format would be more efficient, reliable and less costly.

3. Reports could be prepared on a short notice.

4. The risk of human errors would be minimized.

5. Once the procedures are established for the collection of the data, very little expertise would be required.

6. No extra staff would be required too collect the data, tabulate the data and prepare reports for the identified data.

DEVELOPMENT COST FOR ALTERNATIVE 2 - AUTOMATED SYSTEM

Costs attributable to this alternative are based on the following assumptions.

1. The cost of the initial study, Pride Phase 1 is $50,000.

2. The detail of the development cost is found in the following appendices;

   APPENDIX A - COMPUTER DEVELOPMENT ESTIMATE

   APPENDIX B - HARDWARE COSTS

3. Support costs for maintaining the system and carrying out minor modifications are detailed in APPENDIX C.

4. Annual operating costs for computer services is detailed in APPENDIX D.

5. Personel cost for the Department of Social Services are detailed in APPENDIX E.

6. Project Estimate Recap is detailed in APPENDIX F.

7. APPENDIX G is a work planning chart for the entire NOGAP database study.

EXHIBIT B
ALTERNATIVE 2 - AUTOMATED SYSTEM
COST SUMMARY
($000)

Development Costs	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Phase 1	50					
Phase 2-7	45					
Expenses	23					
Computer Services	11					
Hardware	13					
Sub-total Development	142					
Operating Costs						
Personnel						
Social Services	114	133	152	152	95	38
Computer Services	0	11	11	11	11	11
Sub-total Operating	114	144	163	163	106	49
Support Costs						
Support Services	0	10	10	10	10	10
Computer Services	0	1	1	1	1	1
Sub-total Support	0	11	11	11	11	11
Total Costs	256	155	174	174	117	60
Cummulative Costs	256	411	585	759	876	936

APPENDIX A
COMPUTER DEVELOPMENT ESTIMATES

SUMMARY

CPU TIME

1,600 seconds/day * 62 days of work * .0212/sec	$ 2,103.04

CONNECT TIME

6.5 hrs/day * 2 PA = 780 min/day * 62 days *.1310/min	$ 6,335.16

DISK STORAGE

250,000 sectors * .0058/sector/mth * 2 mth	$ 2,900.00
TOTAL COMPUTER SERVICES	$11,338.20

APPENDIX B
HARDWARE COSTS

	QTY	COST	USE
TERMINALS	1	$ 12,000	for Dept. of Social Services usage. HQ.
MODEMS	1	450	HP3000 connections for NOGAP office in Iuvik.
LINE SET UP	1	50	initial line set up

ASSUMPTIONS

Terminals would be available from Systems and Computer Services for development.

APPENDIX C
SUPPORT COST - COST ESTIMATE

SUPPORT SERVICES	
.125 programmer/year = 30 days @ $325/day	$ 9,750.00
COMPUTER SERVICES	
10 % of development cost ($13,078)	$ 1,308.00
TOTAL	$ 11,058.00

APPENDIX D
OPERATING COSTS - COMPUTER SERVICES COST ESTIMATE

DISK STORAGE	
>source, executable, database, misc.	
50,000 sectors/mth = $290.00 * 12 mths	$ 3,480.00
CONNECT TIME	
>data entry, reports, inquiries 1 hour/day	
= 60 min./day * 213 working days * .1310/min	$ 1,674.00
CPU TIME	
>data entry 50 seconds/day * 213 working days	
= 10,650 seconds/year @ .212/second	$ 2,258.00
>reports generated, inquiries	
= 1,000 seconds/month * 12	$ 2,544.00
Sub-Total	$ 9,956.00
+ 15% contingency	$ 1,493.40
Total	$ 11,449.40

APPENDIX E
PERSONNEL COST - DEPARTMENT OF SOCIAL SERVICES

OPERATING COSTS

	Year 0	Year 1	Year 2	Year 3	Year 4	Year5
p.y.	3.0	3.5	4.0	4.0	2.5	1.0

SALARY

Clerk	$ 32,000.00
Research Officer	$ 38,000.00
Project Manager	$ 45,000.00

Average Salary (including benefits) $ 38,000.00

APPENDIX F
PROJECT ESTIMATE

	Phase 2-3		Phase 4I		Phase 4II		Phase 5		Phase 6		Phase 7	
	PD	$	PD	$	PD	$	PD	$	PD	$	PD	$
SERVICES												
.A.	15	6,000	10	4,000	14	5,600	12	4,800	6	2,400	4	1,600
.A.	48	15,600					14	4,550				
ub-Total	63	21,600	10	4,000	14	5,600	26	9,350	6	2,400	4	1,600
EXPENSES												
irfare	2	864	1	432	1	432	3	1,296	0	0	0	0
accommo.	85	5,157	16	976	20	1,220	38	2,318	9	549	6	366
er diem	85	3,315	16	624	20	780	38	1,482	9	351	6	234
isc.		550		250		250		550		200		200
ub-Total		9,886		2,282		2,682		5,646		1,100		800
otal		31,486		6,282		8,282		14,996		3,500		2,400
ummulative		31,486		37,768		46,050		61,046		64,546		66,946

Northwest Territories

PLANNING CHART

SYS	SS	PC	PG

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NAME: NOGAP DATABASE STUDY

EXHIBIT C

EIH26I10

GOVERNMENT OF THE NORTHWEST TERRITORIES
CANADA

pride®
PROJECT ESTIMATE RECAP

PROJECT	SYS	SS	PC	PG

DATE 3/2/86

NAME: NOGAP DATABASE SYSTEM (DEV) PAGE 1 OF 1

PHASE DETAIL:

PHASE	IDENT.	PROJ. MGT.	DATA MGT.	SYSTEM ANALYSIS (DAYS ~~HOURS~~)	PROGRAM ANALYSIS	COMPUTER TIME	OTHER	COST	SCHEDULE START DATE	SCHEDULE END DATE
2-3		1	2	13	48	34	-	21,600	3/2/86	20/3/86
4I		2	1	7	-	10	-	4,000	17/3/86	28/3/86
4II		1	3	10	-	14	-	5,600	24/3/86	3/4/86
5		1	1	10	14	26	-	9,350	13/3/86	31/3/86
6		1	1	4	-	6	-	2,400	1/4/86	7/4/86
7		-	1	3	-	4	-	1,600	8/4/86	11/4/86
TOTALS		6	9	47	62	94	-	44,550	3/2/86	11/4/86

DATE PREPARED _____ PREPARED BY _____

NWT 10194 (P.5)

EXECUTIVE SUMMARY

It must be kept in mind that the data reported is only as accurate as the data received from the different sources. If inaccuracy in the data is detected, then the Steering Committee can suggest an alternative way to collect the data to increase its accuracy.

Once the Federal funding for the NOGAP database study expires, the maintenance of the system could be the responsibility of the Department of Social Services.

Some minimal additional costs could be incurred if forms are to be designed in order to start capturing data that is not being currently captured. There has been no attempt in estimating these costs.

The preliminary data management for the NOGAP database system in include in section C,D & D INFORMATION REQUIREMENTS.

If the NOGAP database system is to be installed on the Inuvik HP3000, additional costs could be incurred if the tools used to develop the system are not on the Inuvik computer. Purchasing the software such as QUICK, QUIZ, QTP, QDD would be required. The Government of the Northwest Territories has other commitments to install this software on all the regional computers.

Procedures within the Government of the Northwest Territories must be adhear to in order to have the permission to run the NOGAP database system from the Inuvik computer. Additional procedures within the Government of the Northwest Territories must be obtained in order to give access to the NOGAP database system to non-government users. Due to the security and more important, the sensitivity of the data on the NOGAP database system, access by non-government personel may not be granted.

A formal authorization from all the Government of the Northwest Territories departments that could interface directly with the NOGAP database system is also required.